



E650 X Band Portable Doppler Radar

FROM THE WORLD LEADER IN
SOLID STATE WEATHER RADAR SYSTEMS



Affordable Full Featured Doppler Weather
Radar Solution

Ultra Compact Design

Maximum Portability for Military or Tactical Use

Rugged Solid State Transmitter

Ideal for Creating a Dense Network of Short to
Medium Range X Band Radars

Easy to install in Vehicle, Trailer, Tower, Building,
Portable Mast or Difficult Terrain Applications

E650 PORTABLE DOPPLER WEATHER RADAR SYSTEM

SPECIFICATIONS:

Weather Detection:	0-150 km typical range
Display:	16 level reflectivity standard
Transmitter:	Power: 40 watts solid state
Output Frequency:	X-Band (9.3 to 9.5 GHz)
Pulse Width:	1.6 to 120 microseconds, variable pulse compression bandwidth
Receiver Sensitivity:	-126 dBm
Antenna Beamwidth:	18-Inch Antenna (standard) 5.3 degrees
Scan Rate:	Multiple programmable volume scans, typical less than 1 minute
Vertical Scan Angle:	-2 to +90 degrees
Processor:	Embedded PC processor. Web based display & control software (no client based software needed) Data output in Grib 2, Google Earth and Nexrad Level 2 formats
Data Quality Control:	Ground clutter filtering Point target editing Interference filtering
Standard Product Set:	Base reflectivity Base velocity Composite reflectivity Echo tops Vertical wind profile 2D wind field Range height indicator (RHI)
Dimensions:	28.5"H x 22.75"W (72.39 cm x 57.78 cm)
Weight:	40 lbs. (18.14 kg)
Environmental:	Operating temperature range: -55°C to +70°C Humidity: 95% non-condensing
Power Requirements:	110/220v



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